

## WEST Search History

DATE: Friday, August 15, 2003

<u>Set Name</u> side by side	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u> result set
<i>DB=USPT,PGPB,JPAB,EPAB,DWPI; PLUR=YES; OP=ADJ</i>			
L6	L5 and (cosmetic or skin)	2	L6
L5	chlorophytes	17	L5
L4	L3 and (cosmetic or skin)	15	L4
L3	skeletonema	64	L3
<i>DB=USPT,DWPI; PLUR=YES; OP=ADJ</i>			
L2	200013660.pn.	2	L2
L1	0013660.pn.	1	L1

END OF SEARCH HISTORY

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2/4/99

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TERMINAL (ENTER 1, 2, 3, OR ?):2

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NEWS 4 Feb 24 TEMA now available on STN  
NEWS 5 Feb 26 NTIS now allows simultaneous left and right truncation  
NEWS 6 Feb 26 PCTFULL now contains images  
NEWS 7 Mar 04 SDI PACKAGE for monthly delivery of multifile SDI results  
NEWS 8 Mar 24 PATDPAFULL now available on STN  
NEWS 9 Mar 24 Additional information for trade-named substances without  
structures available in REGISTRY  
NEWS 10 Apr 11 Display formats in DGENE enhanced  
NEWS 11 Apr 14 MEDLINE Reload  
NEWS 12 Apr 17 Polymer searching in REGISTRY enhanced  
NEWS 13 AUG 15 Indexing from 1937 to 1946 added to records in CA/CAPLUS  
NEWS 14 Apr 21 New current-awareness alert (SDI) frequency in  
WPIDS/WPINDEX/WPIX  
NEWS 15 Apr 28 RDISCLOSURE now available on STN  
NEWS 16 May 05 Pharmacokinetic information and systematic chemical names  
added to PHAR  
NEWS 17 May 15 MEDLINE file segment of TOXCENTER reloaded  
NEWS 18 May 15 Supporter information for ENCOMPPAT and ENCOMPLIT updated  
NEWS 19 May 19 Simultaneous left and right truncation added to WSCA  
NEWS 20 May 19 RAPRA enhanced with new search field, simultaneous left and  
right truncation  
NEWS 21 Jun 06 Simultaneous left and right truncation added to CBNB  
NEWS 22 Jun 06 PASCAL enhanced with additional data  
NEWS 23 Jun 20 2003 edition of the FSTA Thesaurus is now available  
NEWS 24 Jun 25 HSDB has been reloaded  
NEWS 25 Jul 16 Data from 1960-1976 added to RDISCLOSURE  
NEWS 26 Jul 21 Identification of STN records implemented  
NEWS 27 Jul 21 Polymer class term count added to REGISTRY  
NEWS 28 Jul 22 INPADOC: Basic index (/BI) enhanced; Simultaneous Left and  
Right Truncation available  
NEWS 29 AUG 05 New pricing for EUROPATFULL and PCTFULL effective  
August 1, 2003  
NEWS 30 AUG 13 Field Availability (/FA) field enhanced in BEILSTEIN  
NEWS 31 AUG 15 PATDPAFULL: one FREE connect hour, per account, in  
September 2003  
NEWS 32 AUG 15 PCTGEN: one FREE connect hour, per account, in  
September 2003  
NEWS 33 AUG 15 RDISCLOSURE: one FREE connect hour, per account, in  
September 2003  
NEWS 34 AUG 15 TEMA: one FREE connect hour, per account, in  
September 2003  
NEWS 35 AUG 18 Data available for download as a PDF in RDISCLOSURE  
NEWS 36 AUG 18 Simultaneous left and right truncation added to PASCAL  
NEWS EXPRESS April 4 CURRENT WINDOWS VERSION IS V6.01a, CURRENT

MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP),  
 AND CURRENT DISCOVER FILE IS DATED 01 APRIL 2003

NEWS HOURS	STN Operating Hours Plus Help Desk Availability
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\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 11:07:16 ON 18 AUG 2003

=> fil caplus uspatfull biosis embase medline		
COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'CAPLUS' ENTERED AT 11:07:27 ON 18 AUG 2003  
 USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
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FILE 'USPATFULL' ENTERED AT 11:07:27 ON 18 AUG 2003  
 CA INDEXING COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'BIOSIS' ENTERED AT 11:07:27 ON 18 AUG 2003  
 COPYRIGHT (C) 2003 BIOLOGICAL ABSTRACTS INC. (R)

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FILE 'MEDLINE' ENTERED AT 11:07:27 ON 18 AUG 2003

=> s skeletonema/cn  
 'CN' IS NOT A VALID FIELD CODE  
 'CN' IS NOT A VALID FIELD CODE  
 L1 0 SKELETONEMA/CN

=> s skeletonema  
 L2 2369 SKELETONEMA

=> l2 and (skin or cosmetic)  
 L2 IS NOT A RECOGNIZED COMMAND  
 The previous command name entered was not recognized by the system.  
 For a list of commands available to you in the current file, enter  
 "HELP COMMANDS" at an arrow prompt (=>).

=> s l2 and (skin or cosmetic)  
 L3 22 L2 AND (SKIN OR COSMETIC)

=> dup rem l3  
 PROCESSING COMPLETED FOR L3  
 L4 17 DUP REM L3 (5 DUPLICATES REMOVED)

=> d ibib abs

L4 ANSWER 1 OF 17 CAPLUS COPYRIGHT 2003 ACS on STN  
 ACCESSION NUMBER: 2003:97288 CAPLUS  
 DOCUMENT NUMBER: 138:158537  
 TITLE: Use of steroids as slimming agents  
 INVENTOR(S): Picard-Lesboueyries, Elisabeth  
 PATENT ASSIGNEE(S): L'Oreal, Fr.  
 SOURCE: PCT Int. Appl., 30 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: French  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003009826	A1	20030206	WO 2002-FR2387	20020708
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				

FR 2827762 A1 20030131 FR 2001-9854 20010724  
 PRIORITY APPLN. INFO.: FR 2001-9854 A 20010724  
 OTHER SOURCE(S): MARPAT 138:158537

AB The invention concerns the **cosmetic** use, by topical application on the **skin**, of at least a steroid selected among 7OH-DHEA and its chem. derivs., as slimming agent, in particular for preventing and/or treating cellulitis or orange peel **skin** and/or for refining the face contours. The invention also concerns a compn. contg., in a physiol. acceptable medium, at least a steroid such as defined above and at least a lipolytic and/or lipogenesis inhibiting agent other than said steroid. Formulation of a gel contg. 0.5% 3-O-acetyl-7-benzoyloxy-DHEA is disclosed.

REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d 2 ibib abs

L4 ANSWER 2 OF 17 USPATFULL on STN  
 ACCESSION NUMBER: 2003:57108 USPATFULL  
 TITLE: **Cosmetic** composition and method of treating **skin**  
 INVENTOR(S): Ginger, Rebecca Susan, Bedford, UNITED KINGDOM  
 Mayes, Andrew Easson, Bedford, UNITED KINGDOM  
 Rogers, Julia Sarah, Bedford, UNITED KINGDOM  
 Yates, Paula Rachel, Bedford, UNITED KINGDOM  
 PATENT ASSIGNEE(S): Unilever Home & Personal Care USA, Division of Conopco, Inc. (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003039672	A1	20030227
APPLICATION INFO.:	US 2002-211427	A1	20020806 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	GB 2001-19583	20010810
DOCUMENT TYPE:	Utility	

FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: UNILEVER, PATENT DEPARTMENT, 45 RIVER ROAD, EDGEWATER,  
NJ, 07020  
NUMBER OF CLAIMS: 10  
EXEMPLARY CLAIM: 1  
LINE COUNT: 491

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A **cosmetic** method for treating aged, sensitive, dry, flaky, wrinkled and/or photodamaged **skin** is provided through topical application of a composition which comprises an unsaturated C16 fatty acid having at least three double bonds, which may be preferably hexadecatrienoic acid, and/or derivatives thereof. The invention also relates to compositions suitable for such **cosmetic** treatment

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> d 3 ibib abs

L4 ANSWER 3 OF 17 USPATFULL on STN DUPLICATE 1

ACCESSION NUMBER: 2002:230612 USPATFULL  
TITLE: Lipid extract of the **Skeletonema** algae  
INVENTOR(S): Viron, Cecile, Orleans, FRANCE  
Krzych, Valerie, Les Bordes, FRANCE  
Renimel, Isabelle, Trainou, FRANCE  
Andre, Patrice, Neuville aux Bois, FRANCE  
PATENT ASSIGNEE(S): Parfums Christian Dior, Paris, FRANCE (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6447782	B1	20020910
	WO 2000013660		20000316
APPLICATION INFO.:	US 2001-786723		20010308 (9)
	WO 1999-FR2144		19990909
			20010308 PCT 371 date

	NUMBER	DATE
PRIORITY INFORMATION:	FR 1998-11241	19980909
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	GRANTED	
PRIMARY EXAMINER:	Lankford, Jr., Leon B.	
ASSISTANT EXAMINER:	Davis, Ruth A.	
LEGAL REPRESENTATIVE:	Nath & Associates PLLC, Nath, Gary M., Juneau, Todd L.	
NUMBER OF CLAIMS:	24	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	0 Drawing Figure(s); 0 Drawing Page(s)	
LINE COUNT:	669	

AB The invention relates to a novel lipid extract of the algae **Skeletonema**, especially the algae **Skeletonema costatum**.

In particular, this extract is a total lipid extract of said algae. It can be obtained by extracting the algae **Skeletonema** in an organic solvent which has a polarity index  $p'$  of less than about 5.4, preferably of between 2 and 4.5 and particularly preferably of between 4.2 and 4.4, and which is acceptable in the **cosmetic** or pharmaceutical industry.

This extract can be used as an active principle for the manufacture of a **cosmetic** or pharmaceutical composition particularly for producing a slimming, anti-cellulite, **skin** anti-ageing or sensitive **skin** treatment.

=> d 4 ibib abs

L4 ANSWER 4 OF 17 CAPLUS COPYRIGHT 2003 ACS on STN  
ACCESSION NUMBER: 2002:888686 CAPLUS  
DOCUMENT NUMBER: 137:369116  
TITLE: Production and use of a polar lipid-rich fraction  
containing omega-3 and/or omega-6 highly unsaturated  
fatty acids from microbes, genetically modified plant  
seeds and marine organisms  
INVENTOR(S): Kohn, Gerhard; Banzhaf, Wulf; Abril, Jesus Ruben  
PATENT ASSIGNEE(S): Martek Biosciences Boulder Corporation, USA  
SOURCE: PCT Int. Appl., 20 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002092540	A1	20021121	WO 2002-US15454	20020514
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				

PRIORITY APPLN. INFO.: US 2001-290899P P 20010514

AB The prodn. and use, and in particular, the extn., sepn., synthesis and recovery of polar lipid-rich fractions contg. eicosapentaenoic acid (EPA), docosahexaenoic acid (DHA), docosapentaenoic acid (DPA(n-3) or DPA(n-6)), arachidonic acid (ARA), and eicosatetraenoic acid (C20:4n-3) from microorganisms, genetically modified seeds and marine organisms (including fish and squid) and their use in human food, animal feed, pharmaceutical and cosmetic applications is described.

REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d 5 ibib abs

L4 ANSWER 5 OF 17 CAPLUS COPYRIGHT 2003 ACS on STN  
ACCESSION NUMBER: 2000:725428 CAPLUS  
DOCUMENT NUMBER: 133:286238  
TITLE: Cosmetic composition comprising at least one  
substance promoting the formation of connexins and  
cosmetic treatment method  
INVENTOR(S): Nizard, Carine; Provost, Nicolas; Viron, Cecile;  
Krzych, Valerie; Saunois, Alex  
PATENT ASSIGNEE(S): LVMH Recherche, Fr.  
SOURCE: PCT Int. Appl., 46 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: French  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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WO 2000059466	A1	20001012	WO 2000-FR818	20000331
W: JP, US				
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
FR 2791568	A1	20001006	FR 1999-4165	19990402
EP 1165036	A1	20020102	EP 2000-915266	20000331
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
JP 2002541084	T2	20021203	JP 2000-609030	20000331
PRIORITY APPLN. INFO.:				
			FR 1999-4165	A 19990402
			WO 2000-FR818	W 20000331

AB The present invention relates to **cosmetic** compns. comprising the following: an active ingredient such as at least one substance that promotes intercellular communication of **skin** cells, esp. keratinocytes, and fibroblasts and pre-adipocytes of the **skin**; the use of at least one substance promoting intercellular communication of keratinocytes, fibroblasts and pre-adipocytes of the **skin** as a **cosmetic** agent, optionally in the presence of a cosmetically acceptable vehicle; a method for promoting and/or increasing the activity of a **cosmetic** agent acting directly in the cell or via second intracellular messengers, and a method for treating ageing of the **skin** using cosmetics. Alc. ext. of **Skeletonema** costatum was prepd. and its enhancing effects on intercellular communication of cultured **skin** keratinocytes was studied. Formulation of a cream contg. 1% S. costatum ext. is disclosed.

REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d 6 ibib abs

L4 ANSWER 6 OF 17 CAPLUS COPYRIGHT 2003 ACS on STN  
 ACCESSION NUMBER: 2000:172864 CAPLUS  
 TITLE: Lipid extract of the **skeletonema** algae  
 INVENTOR(S): Viron, Cecile; Krzych, Valerie; Renimel, Isabelle; Andre, Patrice  
 PATENT ASSIGNEE(S): Parfums Christian Dior, Fr.  
 SOURCE: PCT Int. Appl.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: French  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000013660	A1	20000316	WO 1999-FR2144	19990909
W: JP, US				
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
FR 2782921	A1	20000310	FR 1998-11241	19980909
FR 2782921	B1	20020920		
EP 1109529	A1	20010627	EP 1999-941726	19990909
EP 1109529	B1	20021204		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
JP 2002524406	T2	20020806	JP 2000-568469	19990909
ES 2189470	T3	20030701	ES 1999-941726	19990909
PRIORITY APPLN. INFO.:				
			FR 1998-11241	A 19980909
			WO 1999-FR2144	W 19990909

AB The invention concerns a novel lipid extract of **Skeletonema** algae, particularly of **Skeletonema** costatum algae. In particular said extract is a complete extract of said algae, obtainable by

extracting the **Skeletonema** algae in an organic solvent, having a polarity index p' less than about 5.4, preferably between 2 and 4.5, and more preferably still p' ranges between 4.2 and 4.4, and cosmetically and pharmaceutically acceptable. Said extract can be used as active principle for making a **cosmetic** or pharmaceutical composition in particular for producing a slimming, anti-cellulite, and **skin** anti-ageing treatment and a treatment for sensitive **skin**.

REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d 7 ibib abs

L4 ANSWER 7 OF 17 CAPLUS COPYRIGHT 2003 ACS on STN DUPLICATE 2

ACCESSION NUMBER: 1999:622178 CAPLUS

DOCUMENT NUMBER: 131:248251

TITLE: Dermatological healing kit, components therefor, and process for making

INVENTOR(S): Zaveri, Chanda

PATENT ASSIGNEE(S): Geneda Corporation, USA

SOURCE: U.S., 6 pp., Cont.-in-part of U.S. Ser. No. 870,919, abandoned.

CODEN: USXXAM

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 3

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5958437	A	19990928	US 1998-22808	19980212
WO 9855082	A1	19981210	WO 1998-US11655	19980604
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, GW, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
AU 9878202	A1	19981221	AU 1998-78202	19980604
CA 2239699	AA	19981206	CA 1998-2239699	19980605
PRIORITY APPLN. INFO.:			US 1997-870919	19970606
			US 1998-22808	19980212
			WO 1998-US11655	19980604

AB The invention is a dermatol. healing kit having a pigment stabilizer component and an anti-inflammatory emollient component, wherein the pigment stabilizer contains a mixt. of glycerin, butylene glycol, bearberry ext., and Mitracarpe ext.; Mg ascorbyl phosphate; and Tricholoma matsutake singer; and the anti-inflammatory emollient component contains Zanthoxylum bungeanum; decarboxy camosine chlorhydrate; Polygonum multiflorum thumb; Rubus thunbergii; and an aq. mixt. of Siegerbeckia orientalis ext. The kits are effective for treating damage to and discolorations of laser-treated, ablated **skin** surfaces, and thus for the faster elimination of erythema from surface inflammation, for the moisturizing the **skin**, and for preventing and/or counteracting the darkening of **skin** faster than was heretofore possible.

REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d 8 ibib abs

L4 ANSWER 8 OF 17 USPATFULL on STN



ACCESSION NUMBER: 1998:69015 USPATFULL  
TITLE: Anti-inflammatory compositions containing monogalactosyl dieicosapentaenoyl glycerol and methods relating thereto  
INVENTOR(S): Winget, Rodner R., 13265 89th Ave. South, Rte. 3, Renton, WA, United States 98055-1930

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5767095		19980616
APPLICATION INFO.:	US 1997-779783		19970107 (8)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1995-484832, filed on 7 Jun 1995, now patented, Pat. No. US 5620962 which is a continuation-in-part of Ser. No. US 1993-55533, filed on 30 Apr 1993, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Tsang, Cecilia J.		
ASSISTANT EXAMINER:	Mohamed, Abdel A.		
LEGAL REPRESENTATIVE:	Sleath, Janet		
NUMBER OF CLAIMS:	15		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	3 Drawing Figure(s); 3 Drawing Page(s)		
LINE COUNT:	1589		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Disclosed are topical anti-inflammatory compositions containing 0.1% to 10% by weight of a monogalactosyl dieicosapentaenoyl glycerol having esterified eicosapentaenoic acid residues (MGDG-EPA); anti-inflammatory compositions are formulated using a purified microalgal lipid preparation containing 30% to 100% by weight of MGDG-EPA; methods of making the microalgal lipid preparation; methods of treating inflammation by administering the topical anti-inflammatory compositions to a subject in need thereof.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> d 9 ibib abs

L4 ANSWER 9 OF 17 CAPLUS COPYRIGHT 2003 ACS on STN DUPLICATE 3

ACCESSION NUMBER: 1998:588754 CAPLUS  
DOCUMENT NUMBER: 129:328044  
TITLE: Free amino acid analysis of five microalgae  
AUTHOR(S): Derrien, Anne; Coiffard, Laurence J. M.; Coiffard, Celine; De Roeck-Holtzhauer, Yannick  
CORPORATE SOURCE: CAEC - Universite de Nantes, Saint Herblain, 44805, Fr.  
SOURCE: Journal of Applied Phycology (1998), 10(2), 131-134  
CODEN: JAPPEL; ISSN: 0921-8971  
PUBLISHER: Kluwer Academic Publishers  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
AB The HPLC sepn. of fluorescent o-phthaldialdehyde (OPA) derivs. has been applied to the assay of free amino acids from five microalgae commonly used in aquaculture: Tetraselmis suecica, *Skeletonema* costatum, Chaetoceros calcitrans, Thalassiosira sp. and Isochrysis galbana, as part an assessment of their potential use in cosmetic products. Thirteen free amino acids were analyzed using high performance liq. chromatog. There were considerable differences between species. However, four amino acids were responsible for more than 60% total concn. in all species: Asp, Glu, Arg and Tyr; the next most important (accounting for less than 30%) were: Ala, Val, Phe and Lys.  
REFERENCE COUNT: 16 THERE ARE 16 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d 10 ibib abs

L4 ANSWER 10 OF 17 USPATFULL on STN  
ACCESSION NUMBER: 97:38486 USPATFULL  
TITLE: Wellbore fluid  
INVENTOR(S): Sawdon, Christopher A., Par, United Kingdom  
PATENT ASSIGNEE(S): Dowell Schlumberger Incorporated, Houston, TX, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5627143		19970506
	WO 9506695		19950309
APPLICATION INFO.:	US 1995-379608		19950131 (8)
	WO 1994-GB1878		19940830
			19950131 PCT 371 date
			19950131 PCT 102(e) date

	NUMBER	DATE
PRIORITY INFORMATION:	GB 1993-18100	19930901
	GB 1994-13075	19940629
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Springer, David B.	
LEGAL REPRESENTATIVE:	Wolf, Greenfield & Sacks, P.C.	
NUMBER OF CLAIMS:	12	
EXEMPLARY CLAIM:	1	
LINE COUNT:	564	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB There is disclosed a biodegradable wellbore fluid having a continuous oil phase comprising an n-alk-1-ene having from 12 to 20 carbon atoms or a linear polyunsaturated olefin having one of the double bonds in the 1-position and having from 12 to 22 carbon atoms, or a mixture thereof.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> d 11 ibib abs

L4 ANSWER 11 OF 17 USPATFULL on STN  
ACCESSION NUMBER: 96:63045 USPATFULL  
TITLE: Process for the production and extraction of thermostable superoxide-dismutases from a photosynthetic microorganism culture  
INVENTOR(S): Gudin, Claude, Aix En Provence, France  
Trezzy, Claudine, Le Rove, France  
PATENT ASSIGNEE(S): Heliosynthese S.A. Centre d'Affaires Actimark Bureau, Aix En Provence Cedex, France (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5536654		19960716
APPLICATION INFO.:	US 1994-257657		19940609 (8)

	NUMBER	DATE
PRIORITY INFORMATION:	FR 1993-7057	19930611
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Lilling, Herbert J.	
LEGAL REPRESENTATIVE:	Pearne, Gordon, McCoy & Granger	

NUMBER OF CLAIMS: 10  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 1 Drawing Figure(s); 1 Drawing Page(s)  
LINE COUNT: 408

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Process for the production and extraction of thermostable super-oxide-dismutases from a photosynthetic microorganism cell. The thermostable superoxide-dismutase production and extraction process consists a) of culturing in the temperature range 40.degree. to 80.degree. C., in a closed photoreactor made from a light-transparent material and which is thermally resistant within said range, aerobic, photosynthetic, thermophilic microorganisms, which produce oxygen and grow exponentially in said range, said microorganisms being suspended in a culture medium and chosen from among microalgae and cyanobacteria and b) extracting from the culture medium the freshly produced, thermostable superoxide-dismutases, by cellular crushing, ultrafiltration and selective precipitation.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> d 12 ibib abs

L4 ANSWER 12 OF 17 CAPLUS COPYRIGHT 2003 ACS on STN DUPLICATE 4  
ACCESSION NUMBER: 1994:477961 CAPLUS  
DOCUMENT NUMBER: 121:77961  
TITLE: Fatty acid composition of some marine microalgae  
AUTHOR(S): Servel Marie-Odile; Claire, C.; Derrien, A.; Coiffard, L.; De Roeck-Holtzhauer Y.  
CORPORATE SOURCE: CAEC, Universite Nantes, Nantes, 44 000, Fr.  
SOURCE: Phytochemistry (1994), 36(3), 691-3  
CODEN: PYTCAS; ISSN: 0031-9422  
DOCUMENT TYPE: Journal  
LANGUAGE: English

AB Fatty acid anal. was carried out by gas chromatog. on six species of marine microalgae used in aquaculture as an evaluation for proposed cosmetic use. Polyunsatd. fatty acids (PUFA) represented a large proportion of the total lipids in Tetraselmis suecica, Porphyridium cruentum and Isochrysis galbana, comprising 20.9, 17.1 and 17%, resp. Arachidonic and linolenic acids were the most abundant PUFA in T. suecica. **Skeletonema** costatum, Chaetoceros calcitrans, P. cruentum and Nannochloropsis sp. had a high content of eicosapentenoic acid. The amts. of linoleic, octadecatetraenoic and docosahexaenoic acids found in I. galbana were notable. The high PUFA content of most of these microalgae make them good potential raw materials for cosmetic upgrading.

=> d 13 ibib abs

L4 ANSWER 13 OF 17 CAPLUS COPYRIGHT 2003 ACS on STN  
ACCESSION NUMBER: 1994:37806 CAPLUS  
DOCUMENT NUMBER: 120:37806  
TITLE: Carrageenan gel grains for cosmetics.  
INVENTOR(S): Noel, Hugues; Callegari, Jenan Pierre  
PATENT ASSIGNEE(S): Jouvance Daniel, Fr.  
SOURCE: Fr. Demande, 14 pp.  
CODEN: FRXXBL  
DOCUMENT TYPE: Patent  
LANGUAGE: French  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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FR 2683720 A1 19930521 FR 1991-14120 19911115  
FR 2683720 B1 19940819

PRIORITY APPLN. INFO.: FR 1991-14120 19911115

AB Title grains are prepd., which may incorporate polyvalent metal salts, marine organisms or their exts., enzymes, etc. As aq. soln. contg. .kappa.-carrageenan 3, Me paraben 0.20, and Chlorella culture conc. 1.00%, was dripped into a coagulating soln., to give gel grains, which were incorporated into cosmetics, such as creams or lotions.

=> d 13 kwic

L4 ANSWER 13 OF 17 CAPLUS COPYRIGHT 2003 ACS on STN  
ST carrageenan gel grain **cosmetic**  
IT Asterionella  
Ceratium (protozoan)  
Chaetoceras  
Chlorella  
Chromulina  
Coccolithus  
Dinophysis  
Dunaliella  
Euglena  
Gyrodinium  
Hemiselmis  
Isochrysis  
Planktoniella  
Porphyridium  
Scenedesmus  
**Skeletonema**  
Tetraselmis  
Thalassionema  
Thalassiothrix  
(ext., carrageenan gel grains contg., for cosmetics)

=> d 14 ibib abs

L4 ANSWER 14 OF 17 CAPLUS COPYRIGHT 2003 ACS on STN DUPLICATE 5  
ACCESSION NUMBER: 1994:129202 CAPLUS  
DOCUMENT NUMBER: 120:129202  
TITLE: Vitamin, free amino acid and fatty acid compositions of some marine planktonic microalgae used in aquaculture  
AUTHOR(S): De Roeck-Holtzhauer, Y.; Claire, C.; Bresdin, F.; Amicel, L.; Derrien, A.  
CORPORATE SOURCE: CAEC-Univ. Nantes, Nantes, 44000, Fr.  
SOURCE: Botanica Marina (1993), 36(4), 321-5  
CODEN: BOTNA7; ISSN: 0006-8055  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
AB Vitamin, free amino acid and fatty acid analyses were carried out on selected different microalgal species used in aquaculture as an evaluation for proposed **cosmetic** use. In most cases, greater amts. of vitamins were obtained in the microalgae than in the usual human food sources. On a dry wt. basis, tyrosine, alanine and glutamic acid were the main free amino acids found in the strains studied. Considering fatty acids and total lipid, the ratio of polyunsatd. fatty acids (PUFA) to satd. fatty acids remained nearly const. for the species analyzed and PUFA were dominant. For both Chaetoceros calcitrans and **Skeletonema** costatum, myristic and palmitic acids were the main satd. acids and EPA the major unsatd. acid, but for Tetraselmis suecica palmitic acid represented 29.4% of the total fatty acids. This species also contained oleic, linoleic and octadecatetraenoic acids.

=> d 15 ibib abs

L4 ANSWER 15 OF 17 USPATFULL on STN  
ACCESSION NUMBER: 90:48533 USPATFULL  
TITLE: Process for microaquaculture and pollution control  
INVENTOR(S): Van Ry, Charles D., P.O. Box 4801, Annapolis, MD,  
United States 21403

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4935148		19900619
APPLICATION INFO.:	US 1987-66050		19870624 (7)
RELATED APPLN. INFO.:	Division of Ser. No. US 1985-734090, filed on 15 May 1985, now patented, Pat. No. US 4690756		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Wyse, Tom		
LEGAL REPRESENTATIVE:	Oblon, Spivak, McClelland, Maier & Neustadt		
NUMBER OF CLAIMS:	3		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	8 Drawing Figure(s); 5 Drawing Page(s)		
LINE COUNT:	416		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Method for producing and removing dissolved and particulate matter from natural bodies of water and wastewater in situ for the production of organic biomass such as feedstocks, for the removal of pollutants, nutrients, toxins and other substances, and for other purposes. A gas is introduced through a diffuser into a body of water to form bubbles. The bubbles rise within a lifting tube, gathering dissolved and particulate matter on their surfaces. The bubbles produce a foam at the surface of the body of water, the foam being collected in a reservoir, concentrated and drawn off.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> d 16 ibib abs

L4 ANSWER 16 OF 17 USPATFULL on STN  
ACCESSION NUMBER: 87:61840 USPATFULL  
TITLE: Apparatus for microaquaculture and pollution control  
INVENTOR(S): Van Ry, Charles D., P.O. Box 4801, Annapolis, MD,  
United States 21403

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4690756		19870901
APPLICATION INFO.:	US 1985-734090		19850515 (6)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Castel, Benoit		
LEGAL REPRESENTATIVE:	Oblon, Fisher, Spivak, McClelland, & Maier		
NUMBER OF CLAIMS:	7		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	8 Drawing Figure(s); 5 Drawing Page(s)		
LINE COUNT:	420		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Apparatus for producing and removing dissolved and particulate matter from natural bodies of water and wastewater in situ for the production of organic biomass such as feedstocks, for the removal of pollutants, nutrients, toxins and other substances, and for other purposes. A gas is introduced through a diffuser into a body of water to form bubbles. The

bubbles rise within a lifting tube, gathering dissolved and particulate matter on their surfaces. The bubbles produce a foam at the surface of the body of water, the foam being collected in a reservoir, concentrated and drawn off.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> d 17 ibib abs

L4 ANSWER 17 OF 17 CAPLUS COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER: 1983:467783 CAPLUS

DOCUMENT NUMBER: 99:67783

TITLE: On the origin and metabolism of vitamin D in the sea

AUTHOR(S): Holick, M. F.; Holick, S. A.; Guillard, R. L.

CORPORATE SOURCE: Vitamin D Lab., Massachusetts Gen. Hosp., Boston, MA, 02114, USA

SOURCE: Comp. Endocrinol. Calcium Regul., Proc. Satell. Symp. (1982), Meeting Date 1981, 85-91. Editor(s): Oguro, Chitaru; Pang, Peter K. T. Japan Sci. Soc. Press: Tokyo, Japan.

CODEN: 49XMAU

DOCUMENT TYPE: Conference

LANGUAGE: English

AB On exposure to UV radn., the phytoplankton *Emiliana huxleyi* and *Skeletonema menzelii* metabolize 7-dehydrocholesterol to previtamin D<sub>2</sub>, which can enter the marine food chain. Lipid exts. of cod, flounder, and trout liver contain vitamin D<sub>3</sub> as the major vitamin D. Although trout **skin**, on exposure to UV radiation converts provitamin D<sub>3</sub> to previtamin D<sub>3</sub>, this is not the major source of vitamin D<sub>3</sub> for most fish. Vitamin D<sub>3</sub> is present in trout blood serum and may possibly be converted to vitamin D hydroxylated metabolites. There are no known metabolic functions of vitamin D in fish and phytoplankton. However, the  $\lambda_{max}$  of previtamin D and tachysterol are almost identical to the UV absorption of nucleic acids and proteins, resp., suggesting that provitamin D and its photoproducts evolved as natural sunscreens to protect RNA, DNA, and proteins from UV damage.